



01-10-2001

FORM PTO-1595  
1-31-92

101576795

DEPARTMENT OF COMMERCE  
Patent and Trademark OfficeRECORDATION FORM COVER SHEET  
PATENTS ONLY

PD-200043

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Raynold M. Kahn  
Gregory J. Gagnon  
David D. Ha  
Peter M. Klauss  
Christopher P. Curren  
Thomas H. James

Additional Name(s) of conveying party(ies) attached?

yes ☐no ☒

## 2. Name and address of receiving party(ies):

Name: HUGHES ELECTRONICS CORPORATION

Internal Address: Bldg. 001, M/S A109  
PO Box 956  
200 N. Sepulveda Blvd.  
El Segundo, CA 90245-0956

## 3. Nature of Conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Execution Date: August 24, 2000

Street Address: 200 N. Sepulveda Blvd.  
P.O. Box 956  
El Segundo, California 90245Additional name(s) & address(es) attached? ☐ yes ☒ no

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)  
09/621,476, filed July 21, 2000

B. Patent No.(s)

Additional numbers attached? ☐ yes ☒ no

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: HUGHES ELECTRONICS CORPORATION  
Internal Address: Bldg. 001, M/S A109  
PO Box 956  
200 N. Sepulveda Blvd.  
El Segundo, CA 90245-0956PLEASE ASSOCIATE THIS APPLICATION WITH  
CUSTOMER NO. 020991.

## 6. Total number of applications and patents involved: [ 1 ]

7. Total fee (37 CFR 3.41): \$40.00

- ☐ Enclosed  
☒ Authorized to be charged to deposit account

## 8. Deposit account number:

50-0383

(Attached duplicate copy of this page if paying by deposit account)

01/09/2001 NTH:11 00000229 500383 09621476

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DO NOT USE THIS SPACE

## 9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*John A. Crook, Registration No. 30,830  
Name of Person Signing

Signature

December 13, 2000  
Date

Total number of pages: [ 4 ]

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**HUGHES****ASSIGNMENT**Page 1 of 3  
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WHEREAS, I, as below named sole inventor (if only one name is listed below) or joint inventor (if plural names are listed below) of the city and state as stated below next to my name, have invented a(an) SUPER ENCRYPTED STORAGE AND RETRIEVAL OF MEDIA PROGRAMS IN A HARD-PAIRED RECEIVER AND STORAGE DEVICE for which application for Letters Patent of the United States has been executed by me on this day, or (if the following is completed) filed on July 21, 2000 as Serial No. 09/621,476\* ; and

WHEREAS, HUGHES ELECTRONICS CORPORATION, (hereinafter referred to as HUGHES), a Delaware Corporation, having its principal place of business in El Segundo, California, is desirous of acquiring the entire and exclusive right, title and interest in, to and under said invention, said application and any and all Letters Patent that may be granted therefor in the United States and throughout the world;

NOW, THEREFORE, in consideration of the obligations voluntarily assumed by me and set forth in an invention agreement between me and my employer, effective the date as stated below next to my name, and other good and valuable consideration, receipt of which is hereby acknowledged, I do hereby sell, assign and transfer to HUGHES, its successors, assigns or other legal representatives, the entire and exclusive right, title and interest in and to said invention invented by me, to said application and any and all applications which are continuations, continuations-in- part, divisions or substitutes of said application and any and all Letters Patent that may be granted therefor in the United States and throughout the world on any of said applications and to any and all reexaminations, reissues, renewals or extensions of said Letters Patent in the United States and throughout the world for the full term or terms for which said Letters patent may be granted in the United States and throughout the world; authorize and request The Commissioner of Patents and Trademarks of the United States and all foreign countries to issue all such Letters Patent to said HUGHES, its successors, assigns or other legal representatives; covenant that no assignment, sale, agreement, transfer or encumbrance has been, or will be, made or entered into which would conflict with this assignment, sale and transfer; and agree to communicate to HUGHES, its successors, assigns or other legal representatives, upon request and at no cost or expense to me, any facts known by me respecting said invention, do all lawful acts, including the execution and delivery of all papers and proper oaths and giving of testimony that is deemed necessary or desirable by HUGHES, its successors, assigns or other legal representatives with regard to said invention for protecting, obtaining, maintaining and enforcing any and all of said Letters Patent in the United States and throughout the world for said invention and for perfecting, affirming, recording and maintaining the title of HUGHES, its successors, assigns or other legal representatives, and generally cooperate to the fullest extent in all matters pertaining to said invention, and any and all of said Letters Patent and the title thereto in HUGHES, its successors, assigns or other legal representatives.

ASSIGNMENT  
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IN WITNESS WHEREOF, I have executed this instrument.

FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Raynold M. Kahn	<i>Raynold M. Kahn</i>	8/24/00
RESIDENCE (CITY AND STATE)		INVENTION AGREEMENT DATE
Los Angeles, California		October 2, 1979

FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Gregory J. Gagnon	<i>Gregory J. Gagnon</i>	8/24/2000
RESIDENCE (CITY AND STATE)		INVENTION AGREEMENT DATE
Torrance, California		August 31, 1983

FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
David D. Ha	<i>David D. Ha</i>	8/24/00
RESIDENCE (CITY AND STATE)		INVENTION AGREEMENT DATE
San Gabriel, California		August 29, 1988

FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Peter M. Klauss	<i>Peter M. Klauss</i>	24 Aug 2000
RESIDENCE (CITY AND STATE)		INVENTION AGREEMENT DATE
Torrance, California		July 10, 1973

FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Christopher P. Curren	<i>Christopher P. Curren</i>	8/24/00
RESIDENCE (CITY AND STATE)		INVENTION AGREEMENT DATE
Brentwood, California		September 7, 1999

FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Thomas H. James	<i>Thomas H. James</i>	Aug. 24, 2000
RESIDENCE (CITY AND STATE)		INVENTION AGREEMENT DATE
Pacific Palisades, California		June 1, 1983

ASSIGNMENT

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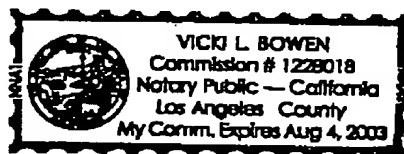
PD-200043

STATE OF CALIFORNIA )  
COUNTY OF LOS ANGELES ) SS:

On AUGUST 24, 2000 before me, VICKI L. BOWEN  
a Notary Public in and for said State, personally appeared  
RAYMOND M. KAHN, GREGORY J. GAGNON, DAVID D. HA, PETER M. KLAUSS, CHRISTOPHER P. CURREN,  
THOMAS W. JAMES

☐ personally known to me or ☒ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) ~~is~~ are subscribed to the within instrument and acknowledged to me that ~~he~~ ~~she~~ ~~they~~ executed the same in ~~his~~ ~~her~~ ~~their~~ authorized capacity(ies), and that by ~~his~~ ~~her~~ ~~their~~ signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.



Notary Public

Vicki L. Bowen

# Delaware

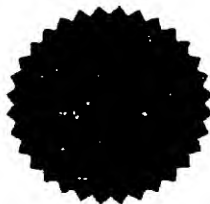
PAGE 1

*The First State*

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF OWNERSHIP, WHICH MERGES:

"THE DIRECTV GROUP, INC.", A DELAWARE CORPORATION,  
WITH AND INTO "HUGHES ELECTRONICS CORPORATION" UNDER THE NAME OF "THE DIRECTV GROUP, INC.", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE SIXTEENTH DAY OF MARCH, A.D. 2004, AT 2:11 O'CLOCK P.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



0844677 8100M

040194381

*Harriet Smith Windsor*

Harriet Smith Windsor, Secretary of State

AUTHENTICATION: 2991223

DATE: 03-16-04

State of Delaware  
Secretary of State  
Division of Corporations  
Delivered 02:11 PM 03/16/2004  
FILED 02:11 PM 03/16/2004  
SRV 040194381 - 0844677 FILE

**CERTIFICATE OF OWNERSHIP AND MERGER**

**OF**

**The DIRECTV Group, Inc.**

**WITH AND**

**INTO**

**Hughes Electronics Corporation**

**(UNDER SECTION 253 OF THE DELAWARE  
GENERAL CORPORATE LAW)**

It is hereby certified that:

1. Hughes Electronics Corporation (the "Corporation") is a corporation of the State of Delaware.
2. The Corporation is the owner of all of the outstanding shares of capital stock of The DIRECTV Group, Inc., a Delaware corporation (the "Subsidiary").
3. The Corporation hereby agrees to merge the Subsidiary with and into the Corporation (the "Merger").
4. The following are resolutions adopted by the Board of Directors of the Corporation on March 16, 2004:
  - I. "Approval of Merger of The DIRECTV Group, Inc. with and into the Corporation

RESOLVED, that the Merger shall be effective at the time (the "Effective Time") of the filing of the Certificate of Ownership and Merger with the Secretary of State of the State of Delaware; and

RESOLVED, that pursuant to Section 259 of the DGCL, at the Effective Time, the separate existence of the Subsidiary shall cease, and the Corporation shall continue its existence as the surviving corporation of the Merger; and

RESOLVED, that the appropriate officers of the Corporation be, and each of them hereby is, authorized, empowered and directed, in the name and on behalf the Corporation, to execute and cause to be filed a Certificate of Ownership and Merger with respect to the Merger with the Secretary of the State of Delaware; and

## II. Change of corporate name

RESOLVED, that, in connection with the Merger, the Board deems it desirable, advisable and in the best interest of the Corporation and its stockholders to change its corporate name to The DIRECTV Group, Inc., which name change will be effective at the Effective Time; and

RESOLVED, that the proper officers of the Corporation be, and each of them hereby is, authorized, empowered and directed, in the name and on behalf of the Corporation, to take such additional action and to execute, deliver, file, certify and record such additional documents and instruments as any of them may deem necessary or appropriate to implement the provisions of the foregoing resolutions, including the filing of any documents which the Corporation or its counsel deems to be necessary, advisable or appropriate."

5. The Corporation, in connection with the Merger and as the surviving corporation of the Merger, hereby changes its corporate name (the "Name Change") to The DIRECTV Group, Inc. and Article I of the Corporation's Amended and Restated Certificate of Incorporation is hereby amended and restated to read as follows:

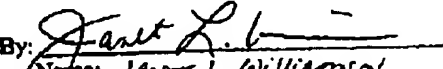
### "Article 1.

The name of the corporation (hereinafter called the "Corporation") is:  
The DIRECTV Group, Inc."

6. The Merger and the Name Change shall be effective at the time of the filing of this Certificate of Ownership and Merger with the Secretary of State of the State of Delaware.

IN WITNESS WHEREOF, the undersigned has hereunto signed this Certificate of Ownership and Merger as of the 16<sup>th</sup> day of March 2004.

HUGHES ELECTRONICS CORPORATION

By:   
Name: JANET L. Williams  
Title: ASSISTANT SECRETARY

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